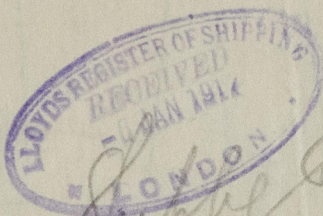




003124 - 003130 - 0145



*Sum Supply @*

*5, 6, 9,*

*710*

*Profile & Deck*

*n/n "DIARKARIA  
RAYA"*

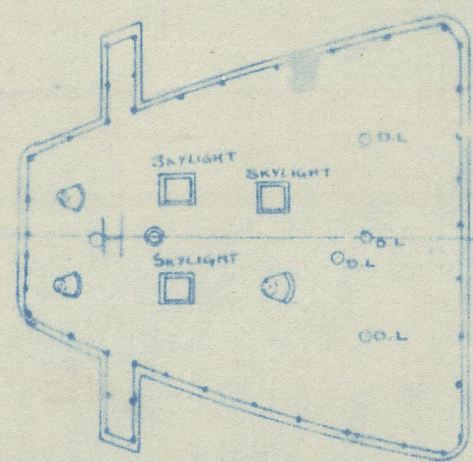
*8/15 J.A. Luckenbach*



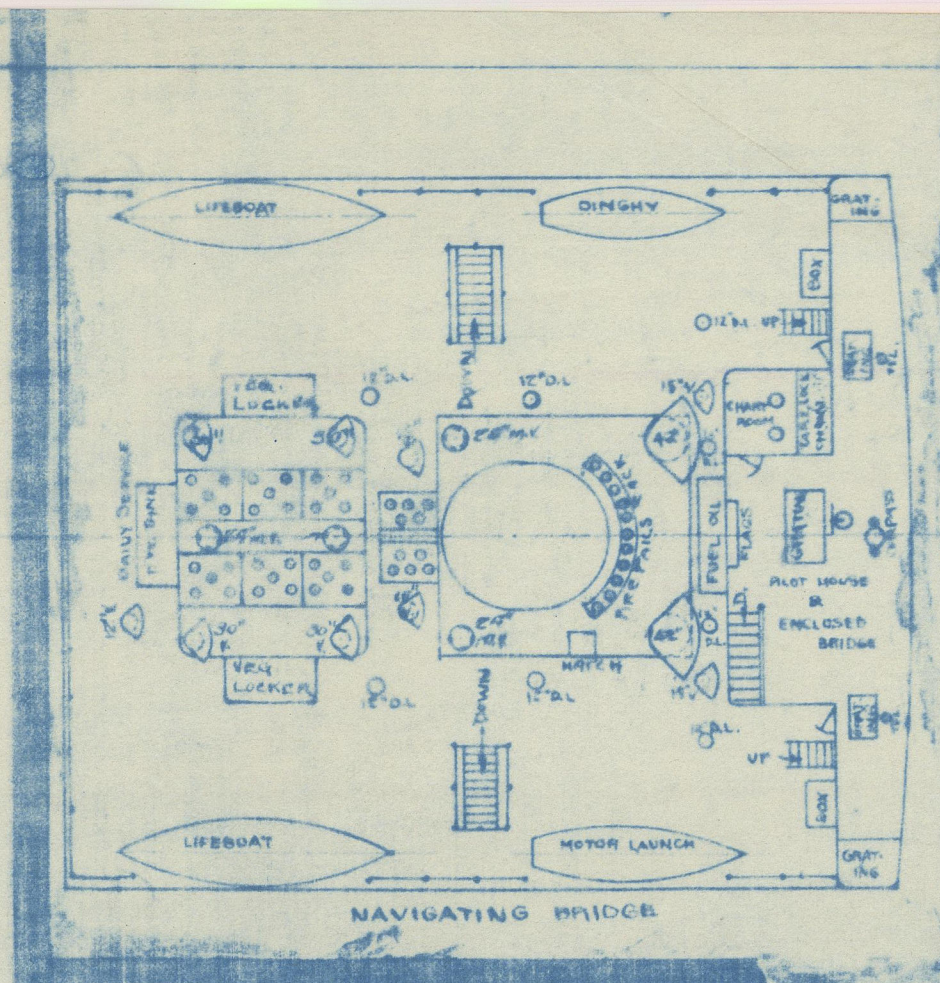
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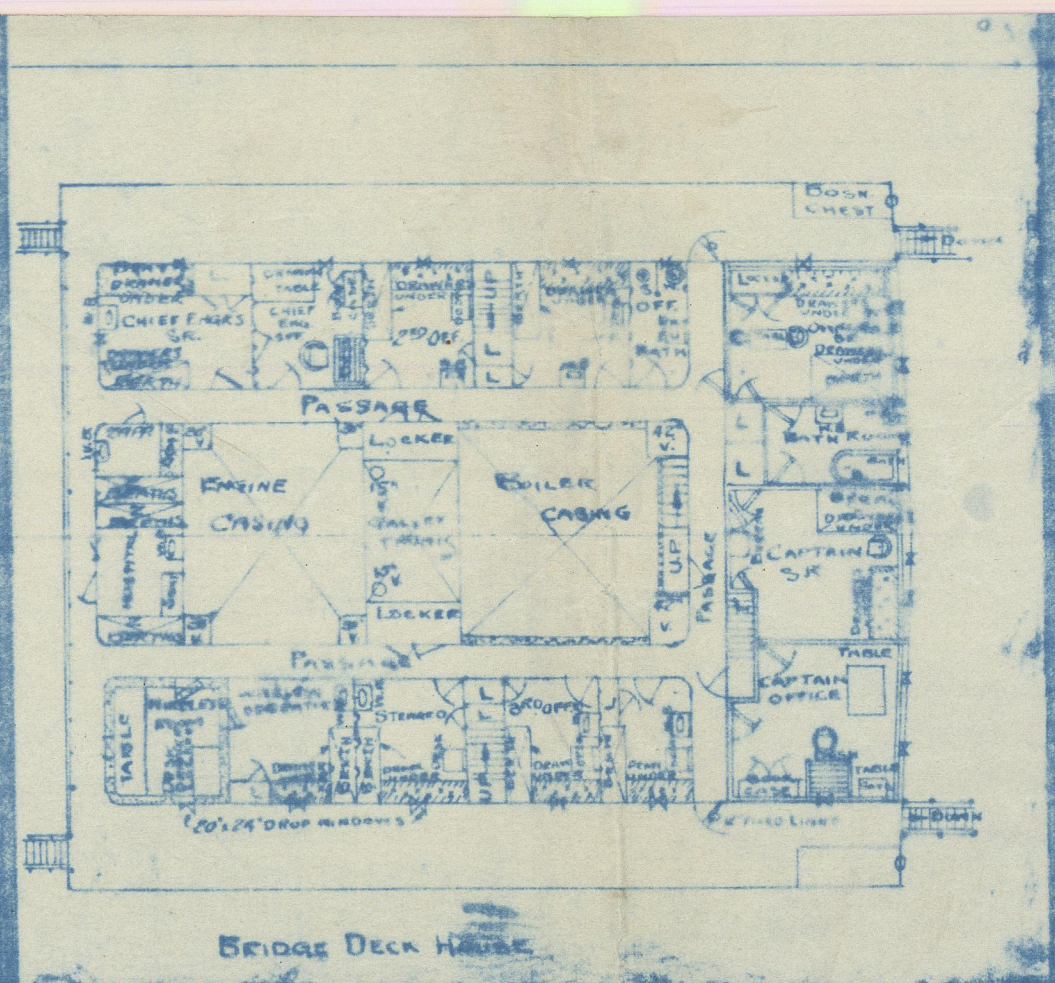




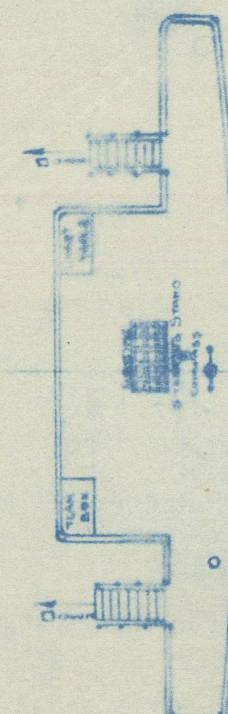
AFTER HOUSE



NAVIGATING BRIDGE



BRIDGE DECK HOUSE

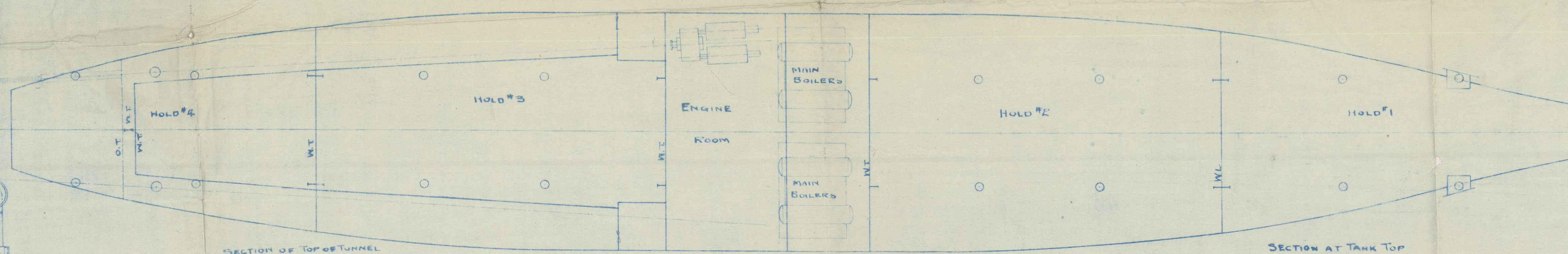
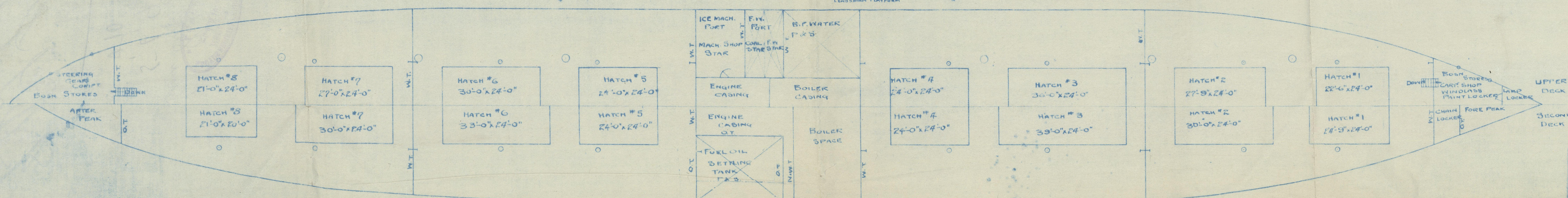
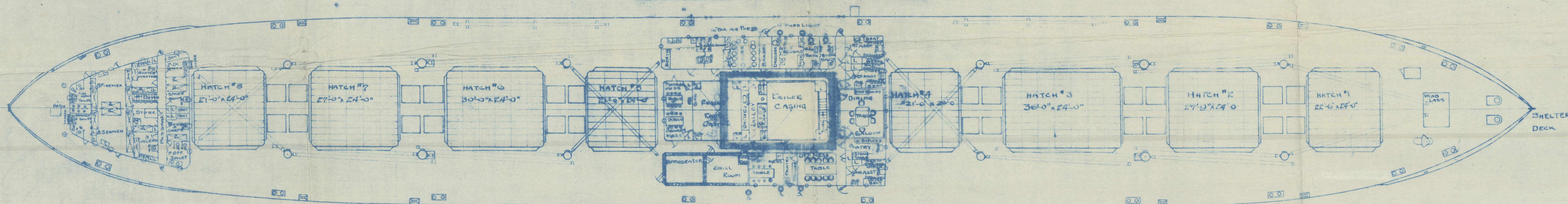


FLYING BRIDGE

FOR LUCKENBACH S.S. CO., INC.  
FOR SUN SHIPBUILDING CO.

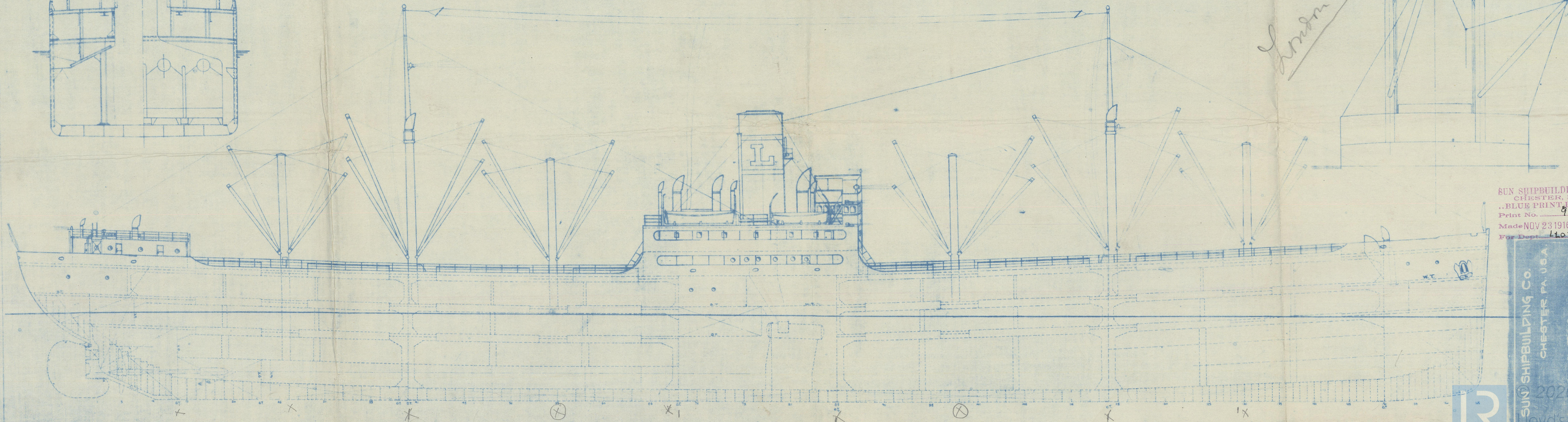
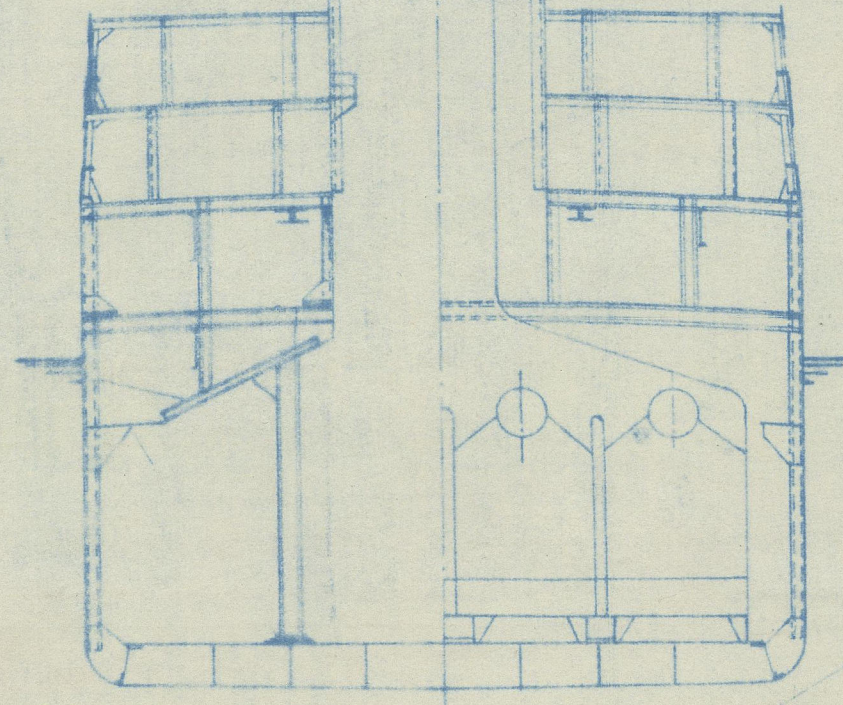
GENERAL ARRANGEMENT  
TWIN SCREW STEAMSHIP FOR  
LUCKENBACH S.S. CO. INC.

PRINCIPAL DIMENSIONS  
LENGTH LLOYDS 445'-10"  
OVERALL 472'-5"  
BEAM MOULDED 60'-0"  
DEPTH MOULDED  
SHELTER DECK SIZES 40'-11"  
SCALE 1/16" = 1'-0"



SECTION OF TOP OF TUNNEL

SECTION AT TANK TOP



PT. NO.	DEPT.	NO. P.T.
1	NA	1
2	NA	1
3	NA	1
4	NA	1
5	NA	1
6	NA	1
7	NA	1
8	NA	1
9	NA	1
10	NA	1
11	NA	1
12	NA	1
13	NA	1
14	NA	1
15	NA	1
16	NA	1
17	NA	1
18	NA	1
19	NA	1
20	NA	1
21	NA	1
22	NA	1
23	NA	1
24	NA	1
25	NA	1
26	NA	1
27	NA	1
28	NA	1
29	NA	1
30	NA	1
31	NA	1
32	NA	1
33	NA	1
34	NA	1
35	NA	1
36	NA	1
37	NA	1
38	NA	1
39	NA	1
40	NA	1
41	NA	1
42	NA	1
43	NA	1
44	NA	1
45	NA	1
46	NA	1
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51	NA	1
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53	NA	1
54	NA	1
55	NA	1
56	NA	1
57	NA	1
58	NA	1
59	NA	1
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61	NA	1
62	NA	1
63	NA	1
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86	NA	1
87	NA	1
88	NA	1
89	NA	1
90	NA	1
91	NA	1
92	NA	1
93	NA	1
94	NA	1
95	NA	1
96	NA	1
97	NA	1
98	NA	1
99	NA	1
100	NA	1

SUN SHIPBUILDING CO.  
CHESTER, PA.  
BLUE PRINT ROOM  
Print No. 14045  
Made NOV 23 1916  
For Dept. 14045

SUN SHIPBUILDING CO.  
CHESTER, PA. U.S.A.  
DE No. 5-700A-A  
2021



General Arrangement  
Sum S. B. Co. N: 5, T. S. S. South Bend

J. L. Luckenbach

Sister to William Luckenbach  
Dorothy J. L.

"  
Dyankata Raye"



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003124-003130-0148



The floor plan of Deck 1 of the USS Intrepid is shown. It includes the following areas:

- Lifeboats:** 240' LIFE BOAT (WELN GEAR) at the bow, 20'0 LIFE BOAT at the stern, 12'0 LIFE RAFT on the starboard side, and 20'0000 LIFE BOAT (WELN GEAR) at the stern.
- Central Areas:** SMOKE PIPE, FIRE CONTROL, and a large open deck area.
- Structural Elements:** VNA WAREHOUSE, REAR CANT, CHIMNEY CABIN, OVERHEAD CABIN, WELDER CABIN, CAPT. CABIN, and CDR. OFFICE.
- Other Features:** A large circular structure labeled 'SMOKE PIPE', a 'FIRE CONTROL' area, and various smaller rooms and storage areas.

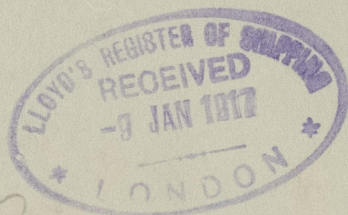
T.S.S. "SOUTH BEND"

003124-003130-014

10



*London*



*Sam Lloyd & Co*

*M.S.*

*5, 6, 9 & 10*

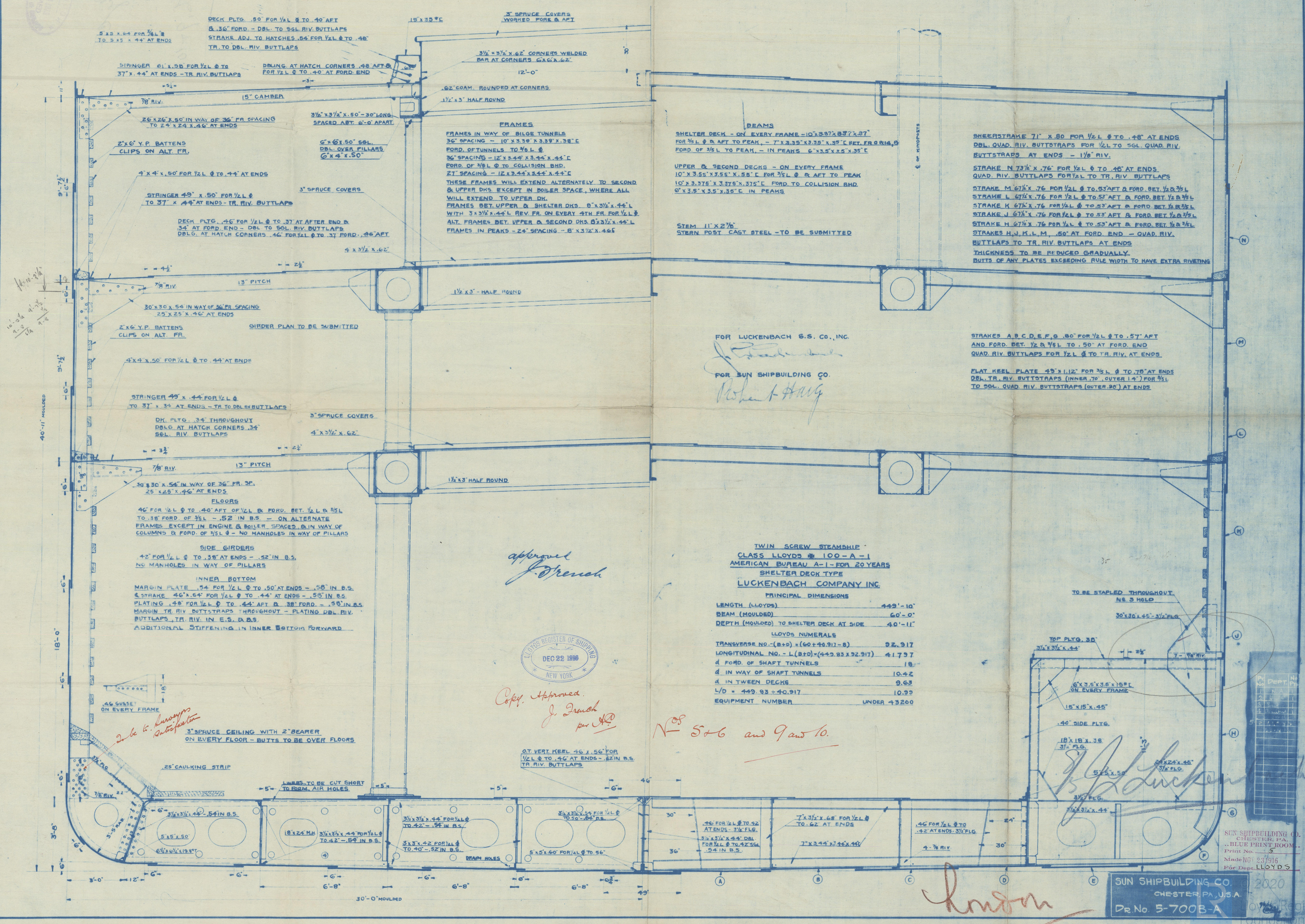


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DECK PLTG. .50" FOR 1/2 L. & TO .40" AFT  
8.36" FORD - DBL. TO SGL. RIV. BUTTLAPS  
STRAKE ADJ. TO HATCHES .54" FOR 1/2 L. & TO .48"  
TR. TO DBL. RIV. BUTTLAPS

STRINGER 61" x .38" FOR 1/2 L. & TO  
37" x .44" AT ENDS - TR. RIV. BUTTLAPS

26" x 26" x .50" IN WAY OF 36" FR. SPACING  
TO 24" x 24" x .46" AT ENDS

2" x 6" Y.P. BATTENS  
CLIPS ON ALT. FR.

4" x 4" x .50" FOR 1/2 L. & TO .44" AT ENDS

STRINGER 49" x .50" FOR 1/2 L. &  
TO 37" x .44" AT ENDS - TR. RIV. BUTTLAPS

DECK PLTG. .46" FOR 1/2 L. & TO .37" AFT. END &  
.34" AT FORD. END - DBL. TO SGL. RIV. BUTTLAPS  
DBLG. AT HATCH CORNERS .46" FOR 1/2 L. & TO .37" FORD. .46" AFT

3" SPRUCE COVERS

4" x 3 1/2" x .62"

30" x 30" x .54" IN WAY OF 36" FR. SPACING  
25" x 25" x .46" AT ENDS

2" x 6" Y.P. BATTENS  
CLIPS ON ALT. FR.

4" x 4" x .50" FOR 1/2 L. & TO .44" AT ENDS

STRINGER 49" x .44" FOR 1/2 L. &  
TO 37" x .34" AT ENDS - TR. TO DBL. RIV. BUTTLAPS

DK. PLTG. .34" THROUGHOUT  
DBLG. AT HATCH CORNERS .34"  
SGL. RIV. BUTTLAPS

3" SPRUCE COVERS

4" x 3 1/2" x .62"

30" x 30" x .54" IN WAY OF 36" FR. SP.  
25" x 25" x .46" AT ENDS

FLOORS

46" FOR 1/2 L. & TO .40" AFT. OF 1/2 L. & FORD. BET. 1/2 L. & 3/5 L.  
TO .38" FORD. OF 3/5 L. - .52" IN B.S. - ON ALTERNATE  
FRAMES EXCEPT IN ENGINE & BOILER SPACES. & IN WAY OF  
COLUMNS & FORD. OF 3/5 L. - NO MANHOLES IN WAY OF PILLARS

SIDE GIRDERS

42" FOR 1/2 L. & TO .38" AT ENDS - .52" IN B.S.  
NO MANHOLES IN WAY OF PILLARS

INNER BOTTOM

MARGIN PLATE .54" FOR 1/2 L. & TO .50" AT ENDS - .58" IN B.S.  
& STRAKE .46" x .54" FOR 1/2 L. & TO .44" AT ENDS - .58" IN B.S.  
PLATING .48" FOR 1/2 L. & TO .44" AFT. & .38" FORD. - .58" IN B.S.  
MARGIN TR. RIV. BUTTLAPS THROUGHOUT - PLATING DBL. RIV.  
BUTTLAPS TR. RIV. IN E.S. & B.S.

ADDITIONAL STIFFENING IN INNER BOTTOM FORWARD

25" CAULKING STRIP

3" SPRUCE CEILING WITH 2" BEARER  
ON EVERY FLOOR - BUTTS TO BE OVER FLOORS

46" GUSSET  
ON EVERY FRAME

25" x 25" x .46" AT ENDS

18" x 24" M.H.

3" x 3" x .42" FOR 1/2 L. &  
TO .42" - .54" IN B.S.

3" x 3" x .42" FOR 1/2 L. &  
TO .40" - .52" IN B.S.

5" x 5" x .60" FOR 1/2 L. & TO .56"

3" x 3" x .42" FOR 1/2 L. &  
TO .42" - .54" IN B.S.

3" x 3" x .42" FOR 1/2 L. &  
TO .40" - .52" IN B.S.

5" x 5" x .60" FOR 1/2 L. & TO .56"

3" x 3" x .42" FOR 1/2 L. &  
TO .42" - .54" IN B.S.

3" x 3" x .42" FOR 1/2 L. &  
TO .40" - .52" IN B.S.

5" x 5" x .60" FOR 1/2 L. & TO .56"

3" x 3" x .42" FOR 1/2 L. &  
TO .42" - .54" IN B.S.

3" x 3" x .42" FOR 1/2 L. &  
TO .40" - .52" IN B.S.

5" x 5" x .60" FOR 1/2 L. & TO .56"

FRAMES  
FRAMES IN WAY OF BILGE TUNNELS  
36" SPACING - 10" x 3.38" x 3.38" x .38" E  
FORD. OF TUNNELS TO 1/2 L. &  
36" SPACING - 12" x 3.44" x 3.44" x .44" E  
FORD. OF 3/5 L. & TO COLLISION BHD.  
21" SPACING - 12" x 3.44" x 3.44" x .44" E  
THESE FRAMES WILL EXTEND ALTERNATELY TO SECOND  
& UPPER DKS EXCEPT IN BOILER SPACE, WHERE ALL  
WILL EXTEND TO UPPER DK.  
FRAMES BET. UPPER & SHELTER DKS. 8" x 3 1/2" x .44" L  
WITH 3 x 3 1/2" x .44" L REV. FR. ON EVERY 4TH FR. FOR 1/2 L. &  
ALT. FRAMES BET. UPPER & SECOND DKS. 8" x 3 1/2" x .44" L  
FRAMES IN PEAKS - 24" SPACING - 8" x 3 1/2" x .46" E

BEAMS  
SHELTER DECK - ON EVERY FRAME - 10" x 3.37" x 3.37" x .37"  
FOR 1/2 L. & AFT TO PEAK - 7" x 3.35" x 3.35" x .35" E BET. FR. & RIV. &  
FORD. OF 3/5 L. TO PEAK - IN PEAKS 6" x 3.5" x 3.5" x .35" E  
UPPER & SECOND DECK - ON EVERY FRAME  
10" x 3.55" x 3.55" x .55" E FOR 3/5 L. & AFT TO PEAK  
10" x 3.375" x 3.375" x .375" E FORD. TO COLLISION BHD.  
6" x 3.5" x 3.5" x .35" E IN PEAKS  
STEM 11" x 2 1/8"  
STERN POST CAST STEEL - TO BE SUBMITTED

SHEER STRAKE 71" x .80" FOR 1/2 L. & TO .48" AT ENDS  
DBL. QUAD. RIV. BUTTLAPS FOR 1/2 L. TO SGL. QUAD. RIV.  
BUTTLAPS AT ENDS - 1 1/8" RIV.  
STRAKE N 73 1/2" x .76" FOR 1/2 L. & TO .48" AT ENDS  
QUAD. RIV. BUTTLAPS FOR 1/2 L. TO TR. RIV. BUTTLAPS  
STRAKE M 67 1/2" x .76" FOR 1/2 L. & TO .53" AFT & FORD. BET. 1/2 L. & 3/5 L.  
STRAKE L 67 1/2" x .76" FOR 1/2 L. & TO .53" AFT & FORD. BET. 1/2 L. & 3/5 L.  
STRAKE K 67 1/2" x .76" FOR 1/2 L. & TO .53" AFT & FORD. BET. 1/2 L. & 3/5 L.  
STRAKE J 67 1/2" x .76" FOR 1/2 L. & TO .53" AFT & FORD. BET. 1/2 L. & 3/5 L.  
STRAKE H 67 1/2" x .76" FOR 1/2 L. & TO .53" AFT & FORD. BET. 1/2 L. & 3/5 L.  
STRAKES H, J, K, L, M, .50" AT FORD. END - QUAD. RIV.  
BUTTLAPS TO TR. RIV. BUTTLAPS AT ENDS  
THICKNESS TO BE REDUCED GRADUALLY  
BUTTS OF ANY PLATES EXCEEDING RULE WIDTH TO HAVE EXTRA RIVETING

STRAKES A, B, C, D, E, F, G .80" FOR 1/2 L. & TO .57" AFT  
AND FORD. BET. 1/2 L. & 3/5 L. TO .50" AT FORD. END  
QUAD. RIV. BUTTLAPS FOR 1/2 L. & TO TR. RIV. AT ENDS

FLAT KEEL PLATE .45" x 1.12" FOR 3/5 L. & TO .75" AT ENDS  
DBL. TR. RIV. BUTTLAPS (INNER .70" OUTER .14") FOR 3/5 L.  
TO SGL. QUAD. RIV. BUTTLAPS (OUTER .90") AT ENDS

FOR LUCKENBACH S.S. CO., INC.  
FOR SUN SHIPBUILDING CO.  
Robert H. Harg

approved  
J. French

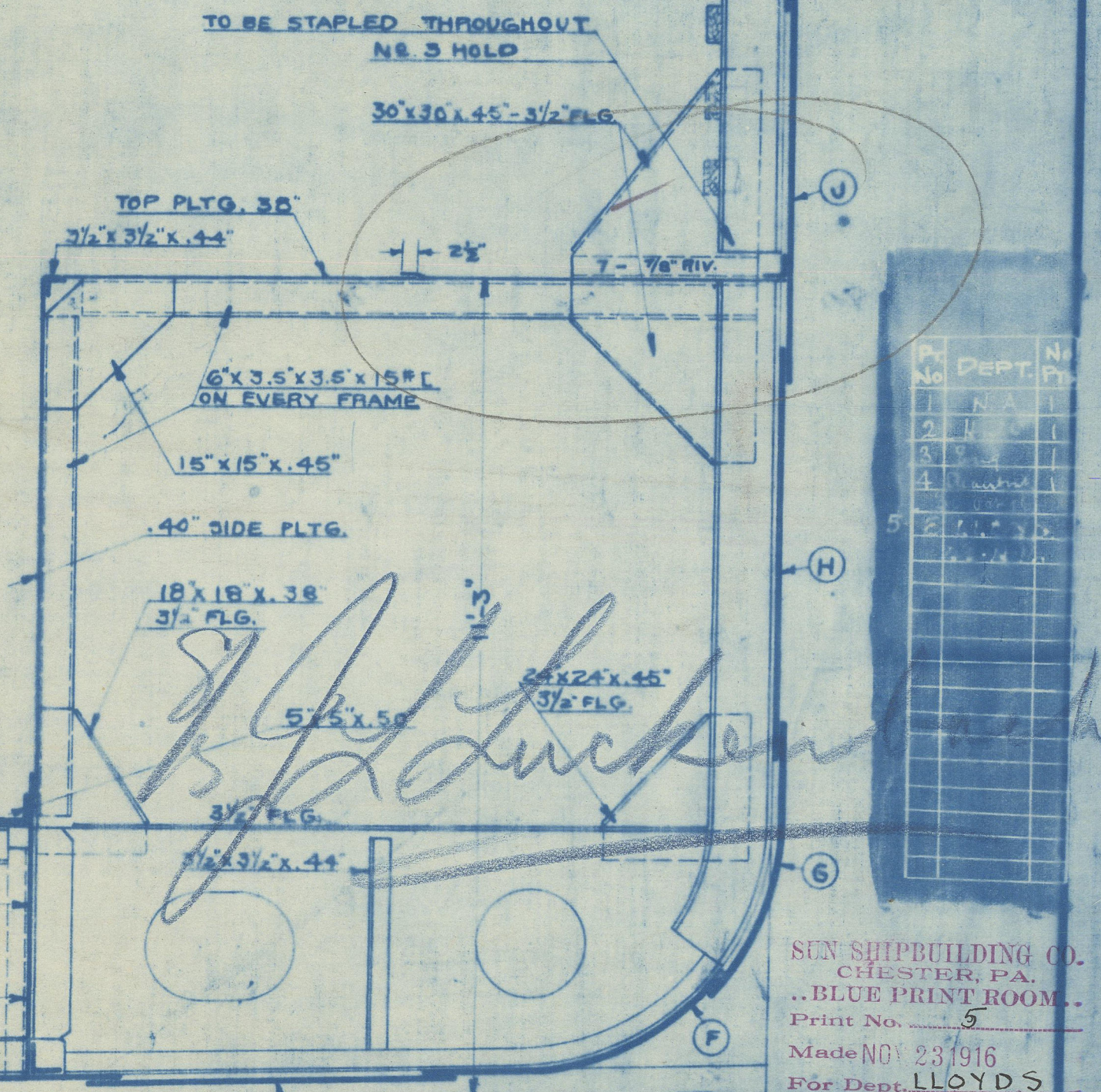


Copy Approved  
J. French  
per A.D.

TWIN SCREW STEAMSHIP  
CLASS LLOYDS # 100-A-1  
AMERICAN BUREAU A-1 FOR 20 YEARS  
SHELTER DECK TYPE  
LUCKENBACH COMPANY INC.

PRINCIPAL DIMENSIONS	
LENGTH (LLOYDS)	442'-10"
BEAM (MOULDED)	60'-0"
DEPTH (MOULDED) TO SHELTER DECK AT SIDE	40'-11"
LLOYDS NUMERALS	
TRANSVERSE NO. - (B+D) = (60+40.917) - 8	92.917
LONGITUDINAL NO. - L (B+D) = (442.93 x 92.917)	41757
d FORD. OF SHAFT TUNNELS	18
d IN WAY OF SHAFT TUNNELS	10.42
d IN TWEEN DECKS	9.63
L/D = 442.93 ÷ 40.917	10.93
EQUIPMENT NUMBER	UNDER 43200

Nos 5+6 and 9 and 10.



SUN SHIPBUILDING CO.  
CHESTER, PA., U.S.A.  
Dr. No. 5-700B-A  
2020  
Register  
Foundation



Midships Section  
Line S.B. Co. N° 5; T. S. S. "South Bend"

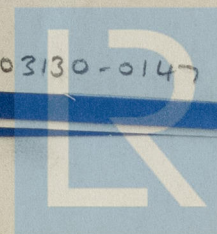
✓ how "J.L. LUCKENBACH."

n/w "JAKARTA RAYA"



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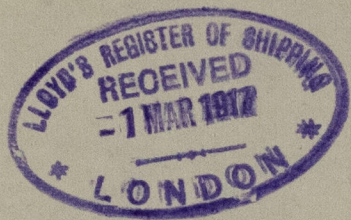
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PTS



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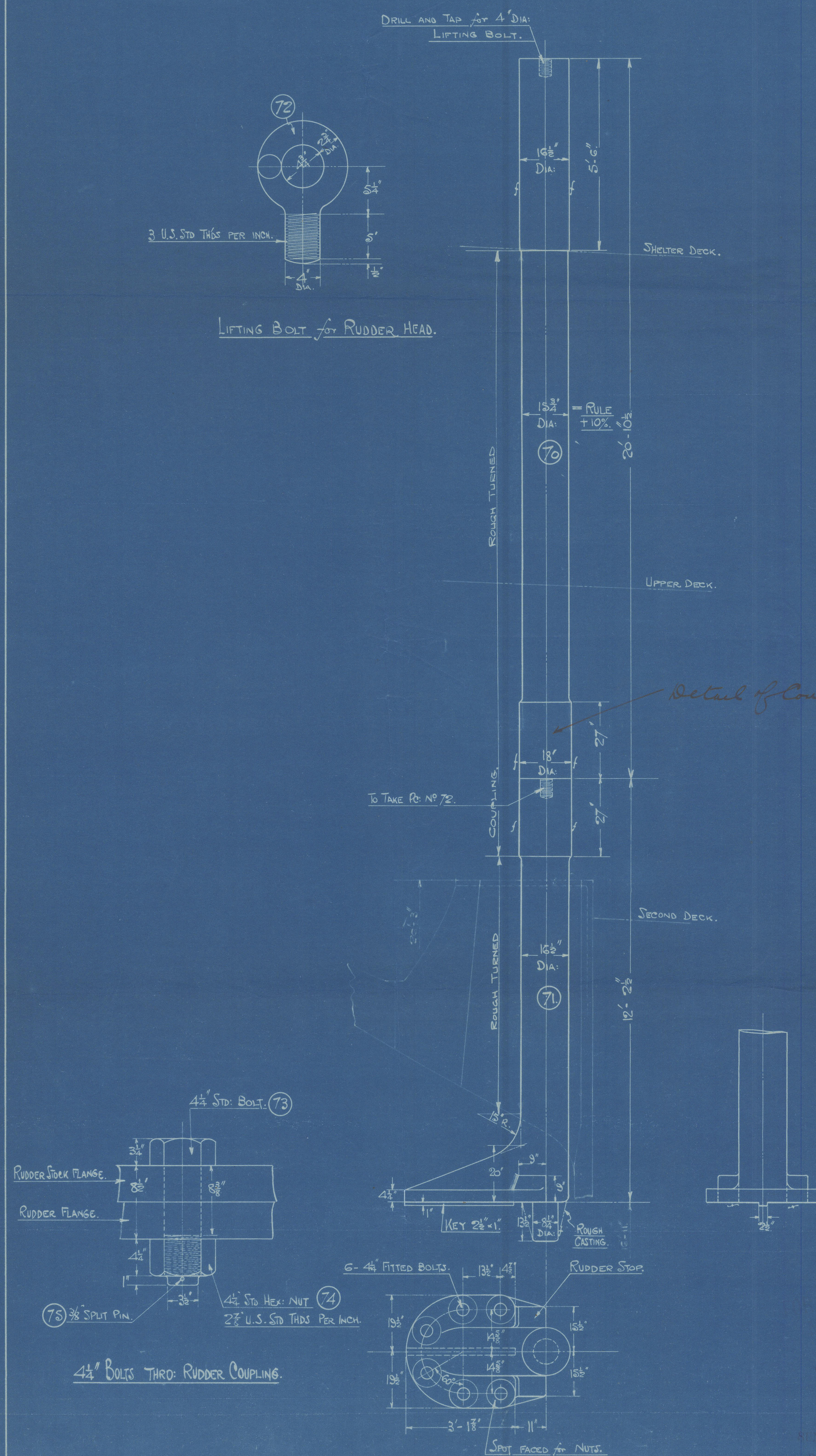
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NOTE: TO PASS LLOYD'S TEST.

### ALTERATIONS

NO.	DATE	DESCRIPTION	APPROVED
29-1A-17	1-1-17	SMOOTH FORGED CHANGED TO ROUGH TURNED	
2	1-1-17	VERTICAL COUPLING MADE LONGER.	

### BILL OF MATERIAL

PC. NO.	NAME	NO. PCS	MATERIAL	DETAIL DRAWING NO.	PATTERN OR DIE NO.	REMARKS
70	UPPER STOCK.	1	MED. ST.			
71	LOWER STOCK.	1	CAST ST.		5-704-71	
72	LIFTING BOLT.	2	MED. ST.			
73	4 1/2" HEX. FITTED BOLTS L=13 1/2"	6	" "			
74	" " NUTS	6	" "			
75	3/8" DIA. SPLIT PIN L=4 1/2"	6	" "			

### PLAN PRINTS

PRINT NO.	DEPT.	PTS. NO.	DEPT.	PTS. NO.	DEPT.	PTS. NO.	DEPT.	PTS. NO.	DEPT.	PTS. NO.

### HULL DIVISION

## RUDDER STOCK.

SCALE - ARRANG'T = 1/2" = 1 FT  
 SCALE - DETAIL = 1 FT  
 DATE 19 Jan 1917.

DES'N TRACED CHECKED APPROVED  
 AW AW JAW AW Saunders

SUN SHIPBUILDING CO.  
 CHESTER, PA. U.S.A.

DR. NO 5-704-G.

### MATERIAL

### B M PRINTS

PRINT NO.	DEPT.	PTS. NO.	PRINT NO.	DEPT.	PTS. NO.	PRINT NO.	DEPT.	PTS. NO.	PRINT NO.	DEPT.	PTS. NO.
1-11	LLOYD'S	4	1-12	LLOYD'S	4	1-13	LLOYD'S	4	1-14	LLOYD'S	4
5-6	Mater	2	7	79	1	22	Pen	17	29	Mater	2
10-13	LLOYD'S	4	14	79	1	17-17					

### CHARGE

### ACTION

PRINT NO.	DEPT.	PTS. NO.	PRINT NO.	DEPT.	PTS. NO.	PRINT NO.	DEPT.	PTS. NO.	PRINT NO.	DEPT.	PTS. NO.
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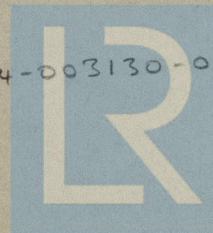


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